B

	Application No.	Applicant(s)
Notice of Allowability	10/752,664	MIZUNO, KOICHI
	Examiner	Art Unit
	Tuan T. Lam	2816
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	6 (OR REMAINS) CLOSED i c) or other appropriate comm RIGHTS. This application is	in this application. If not included unication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to the amendment filed	<u>1 4/19/2005</u> .	
2. The allowed claim(s) is/are 16-24.		
3. The drawings filed on 19 April 2005 are accepted by the E	Examiner.	
 4. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None. of the: Certified copies of the priority documents have an according to the priority documents have a complex of the p	re been received. The been received in Application ocuments have been received. The been received in Application to file the been received.	on No ed in this national stage application from the
 THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which gives 		
6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	son's Patent Drawing Revie 's Amendment / Comment of 1.84(c)) should be written on	or in the Office action of the drawings in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 3/31/05; 4/8/05 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 708), 7. ☐ Examiner's	Informal Patent Application (PTO-152) Summary (PTO-413), I/Mail Date S Amendment/Comment S Statement of Reasons for Allowance TUAN T. LAM

Application/Control Number: 10/752,664 Page 2

Art Unit: 2816

1. The following is an examiner's statement of reasons for allowance: the prior art of record fails to teach or fairly suggest the allowable features recited in the claim. In particular, the USP 5,903,178 (corresponds to JP 08-228138) fails to teach or fairly suggest a second bias voltage is supplied to the pair of main terminals of the second FET (Vb2 is supplied to drain and source of transistor 121 via resistors 122, 123 of figure 13) and either one of voltages, which are respectively lower and higher than both a voltage derived from subtracting a gate threshold voltage of the first FET with a sign from the first bias voltage and a voltage derived from adding a gate threshold voltage of the second FET with a sign to the second bias voltage is applied to the pair of main terminal of the first FET and the a gate of the second FET as a first control voltage as called for in claim 16, a transmission line having first, second and third transmission signal terminals and the connection between the transmission line and the first and second FETs as called for in claim 19. Therefore, claims 16-24 are presently allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P. CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan T. Lam

Primary Examiner

Art Unit 2816

5/17/2005

Replacement Drawing



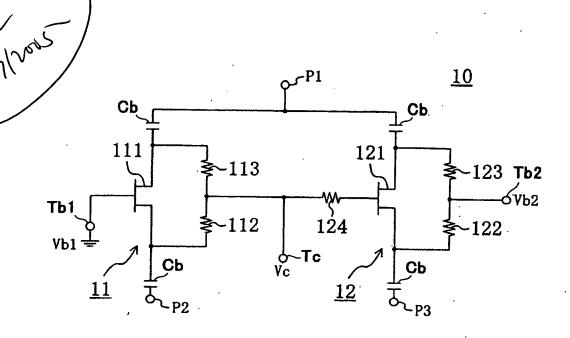


Fig. 1

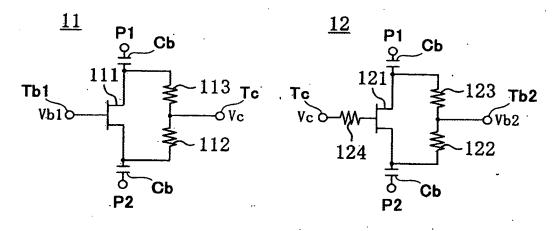


Fig. 2A

Fig. 2B